

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A process for the production of an alcohol by the hydrogenation of an aliphatic aldehyde over a catalyst comprising a copper compound, and a zinc compound ~~and optionally a catalyst support and/or a promoter compound~~, comprising the step of treating said catalyst with an organic sulphur compound.
2. (Currently Amended) A process ~~as claimed in~~ according to claim 1, wherein said aliphatic aldehyde is present in a feed stream containing an olefin.
3. (Currently Amended) A process ~~as claimed in~~ according to claim 2, wherein said feed stream is the product of a hydroformylation reaction.
4. (Currently Amended) A process ~~as claimed in~~ according to claim 1, wherein said organic sulphur compound comprises thiophene.
5. (Currently Amended) A process ~~as claimed in any of the preceding claims~~ according to claim 1, wherein said ~~sulphur containing~~ organic sulphur compound is present ~~in a feed stream containing said aldehyde~~ at a concentration of from 5 ppm to 150 ppm by weight of sulphur in a feed stream containing said aldehyde based upon the total mass of feed.
6. (Currently Amended) A process ~~as claimed in any of the preceding claims~~ for the production of an alcohol, comprising the steps of:
 - (a) ~~providing a bed of said catalyst within a reactor and reducing said~~ a catalyst in bed provided within a reactor with a hydrogen-containing gas stream;
 - (b) feeding to the bed of said reduced catalyst a gaseous feed stream comprising ~~said~~ an aldehyde, ~~and~~ a sulphur compound, and hydrogen ~~to said catalyst~~ for a period of time sufficient to provide from 0.2 to 10 kg of-S sulphur (S) per ~~tonne~~ ton of catalyst, ~~the~~ wherein a concentration of said sulphur compound in said feed stream ~~being~~ is less than 150 ppm; and
 - (c) subsequently feeding to said catalyst bed a feed stream containing no sulphur compound.

7. (Currently Amended) A process for the production of an alcohol, comprising the steps of:
- (a) reacting an olefin feed with hydrogen and carbon monoxide in a hydroformylation reactor in the presence of a suitable hydroformylation catalyst to form a hydroformylation product stream comprising an aldehyde and unreacted olefin;_i
 - ~~(b) optionally treating said hydroformylation product stream to separate the catalyst from the remainder of the hydroformylation product stream,~~
 - (eb) vaporising said hydroformylation product stream and feeding the vapour together with a stream of a hydrogen-containing gas to a hydrogenation reactor containing a bed of a solid hydrogenation catalyst comprising a copper compound and a zinc compound, to form a hydrogenation product stream comprising at least an alcohol and said unreacted olefin;_i and
 - (ec) separating said hydrogenation product stream into at least an ~~alcohol~~ alcohol stream and a stream containing said unreacted olefin,
- ~~characterised in that~~ wherein the hydrogenation catalyst is treated with an organic sulphur compound before or during step (eb).
8. (New) A process according to claim 1, wherein the catalyst further comprises at least one of a catalyst support and a promoter compound.
9. (New) A process according to claim 7 further comprising the step of treating said hydroformylation product stream of step (a) to separate the catalyst from the remainder of the hydroformylation product stream.

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

Attachment